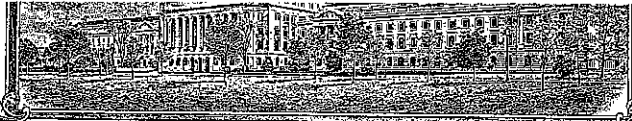


No.

9900402



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Resource Seeds, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT, (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Bomus'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twelfth day of September, in the year two thousand one.

Attest:

Paul M. Zurborn

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Andrew W. Peterson

Secretary of Agriculture

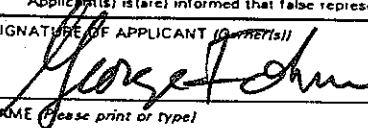
U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) <i>(as it is to appear on the Certificate)</i> RESOURCE SEEDS, INC		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER RSI 31206	3. VARIETY NAME BONUS
4. ADDRESS <i>(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)</i> P.O. BOX 1319 Gilroy, CA 95021		5. TELEPHONE <i>(include area code)</i> 408/847-1051	FOR OFFICIAL USE ONLY PVPO NUMBER 9900402 DATE 8-30-1999
		6. FAX <i>(include area code)</i> 408/847-0604	
7. GENUS AND SPECIES NAME Triticum aestivum	8. FAMILY NAME <i>(Botanical)</i> Gramineae		FILING AND EXAMINATION FEE: \$ 2450.00 DATE 8-30-1999 CERTIFICATION FEE: \$ 320.00 DATE 8/31/01
9. CROP KIND NAME <i>(Common name)</i> Common			
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION <i>(corporation, partnership, association, etc.)</i> <i>(Common name)</i> Corporation			
11. IF INCORPORATED, GIVE STATE OF INCORPORATION California		12. DATE OF INCORPORATION October 1, 1990	
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS Dr. George Fohner Resource Seeds, Inc. P.O. Box 1319 Gilroy, CA 95021			14. TELEPHONE <i>(include area code)</i> 408/847-1051
			15. FAX <i>(include area code)</i> 408/847-0604
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED <i>(Follow instructions on reverse)</i>			
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety <i>(Optional)</i> e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Applicant's Ownership f. <input checked="" type="checkbox"/> Voucher Sample <i>(2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in an approved public repository)</i> g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" <i>(Mail to PVPO)</i>			
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? <i>(See Section 83(a) of the Plant Variety Protection Act)</i> <input type="checkbox"/> YES <i>(If "yes," answer items 18 and 19 below)</i> <input checked="" type="checkbox"/> NO <i>(If "no," go to item 20)</i> Not at this time.			
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO		19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <i>(If "yes," give names of countries and dates)</i> USA <input type="checkbox"/> NO October 1998			
21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned applicant(s) is/are the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Applicant(s) is/are informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF APPLICANT <i>(Owner(s))</i> 		SIGNATURE OF APPLICANT <i>(Owner(s))</i>	
NAME <i>(Please print or type)</i> George Fohner		NAME <i>(Please print or type)</i>	
CAPACITY OR TITLE President	DATE 8/25/99	CAPACITY OR TITLE	DATE

BONUS WHEAT

Exhibit A. Origin and breeding history of the variety.

BONUS (RSI Experimental 31206) wheat is the result of hybridization, individual plant and bulk selection from the cross Cleo / 2 Inia // Probrand 775 / Klasic. Cleo / 2 Inia is a Septoria tritici resistant line obtained from the University of California, Davis. Probrand 775 and Klasic are wheat varieties from the once existant Northrup King, Co. breeding program.

The cross of Probrand 775 / Klasic was made in the field at Rio Vista, California in spring, 1988. The F1 was grown at Gonzales, California in summer 1988, where the topcross with the Cleo / 2 Inia parent was made. The F1 of the topcross was planted at Woodland, California in Fall, 1988 and individual plant were taken in the following spring. F2 plant selections were made at Gonzales during the summer of 1989, while F3 and F4 plant selections were made at Woodland and Gonzales respectively in 1990. In 1991, F5 plant selection rows were bulked for preliminary yield trial (PYT) screening in 1992. Test results were favorable in 1992 and 1993 prompting us to enter experimental line 31206 into University of California Cooperative Extension trials for years 1994-1997. The criteria for selection for each generation in the development of Bonus are outlined in Table A1.

Seed purification of this line began in 1994 with the selection of 25 spikes from yield trial plots at Woodland. The heads were grown in separate individual rows (H.R.1's) at Gonzales of the same year. Five individual spikes were, in turn, selected at Gonzales from each selected row and advanced to a Woodland planting in the fall (H.R.2's). In spring, 1995 the H.R.2 head rows under-went further evaluation for uniformity of type, resulting in the bulking of 5 head row lines. Prebreeder seed was produced from the head row bulk in the fall, 1996 in Bakersfield, California. In 1997 the Bakersfield seed, now in the F12 generation, was moved to Gonzales for a summer breeder seed planting.

On the basis of our experience producing Breeder and Foundation seed, the variety appears to be uniform and stable. Uniformity for height, waxy bloom, purple auricles, and rachis internode pubescence was established in the F8 generation and has been observed to be stable in all subsequent generations (a total of seven).

It has been noted during multiplication that taller variants, both earlier and later in maturity than the main population, do exist in this variety at a frequency less than 0.5%.

BONUS WHEAT**Exhibit A. Origin and breeding history of the variety. (continued)****Table A1. Selection Criteria**

Generation	Criteria for Selection
P1 x P2	None
F1	None
F2 through F5	<p>Select for resistance or tolerance to diseases: Septoria leaf blotch Stripe rust Barley yellow dwarf virus Powdery mildew Leaf rust</p> <p>Select for: Early maturity Reduced height High tiller number Seed color (red or white) Seed plumpness</p> <p>Select against: Lodging</p>
F6 & F7	<p>Select for: High grain yield Reduced lodging Little or no disease High protein</p> <p>High yield stability was first noted in the F6 generation and confirmed in all subsequent generations.</p>

BONUS WHEAT**Exhibit B. Statement of Distinctness**

Bonus is most similar to the variety Brooks, but is significantly more resistant to stripe rust (Table B1). Compared to Yecora Rojo, the former leading variety grown in Bonus' primary area of adaptation, Bonus is significantly more resistant to stripe rust (Table B1) and leaf rust (Table B2). Compared to RSI 5, another leading variety grown in Bonus' area of adaptation, Bonus is significantly shorter (Table B3).

BONUS WHEAT**Exhibit B. Statement of Distinctness (continued)**

Table B1. Stripe Rust Ratings
University of California Regional Performance Tests 1999 and 2000

Year	Location	Bonus	Brooks	Yecora Rojo	LSD(0.05)
1999	Sutter Co.	1.5	4.0	3.3	0.9
	Kings Co.	1.3	3.0	1.8(ns)	0.6
2000	Colusa Co.	1.0	3.0	1.0(ns)	1.2
	Delta	2.0	4.8	4.8	0.9
	Kings Co.	1.3	3.5	2.8	0.9

Table B2. Leaf Rust Ratings
University of California Regional Performance Tests 1999 and 2000

Year	Location	Bonus		Yecora Rojo	LSD(0.05)
1999	Madera Co.	1.0		3.8	1.0
2000	Delta	1.8		4.0	0.8
	Madera Co.	1.0		6.5	1.0
	Kings Co.	1.0		3.8	0.5
	Kern Co.	1.5		2.5	0.6

Rating scale (area of leaf below flag leaf affected at soft dough stage): 1= 0-3 %, 2=4-14%, 3=15-29%, 4=30-49%, 5=50-69%, 6=70-84%, 7=85-95%, 8=96-100%

BONUS WHEAT**Exhibit B. Statement of Distinctness (continued)**

Table B3. Plant Height (inches)
University of California Regional Performance Tests 1999 and 2000

		Bonus	RSI 5		LSD(0.05)
1999	Kings Co.	38	42		3.0
	Kern Co.	35	40		2.0
2000	Kings Co.	34	41		3
	Madera Co.	32	39		3

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
COMMODITIES SCIENTIFIC SUPPORT DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (TRITICUM SPP.)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S) RESOURCE SEEDS, INC.	FOR OFFICIAL USE ONLY
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) P.O. Box 1319 Gilroy, CA 95021	PVPO NUMBER 9900402 VARIETY NAME OR TEMPORARY DESIGNATION BONUS

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g., 0 8 9 or 0 9) when number is either 99 or less or 9 or less.

1. KIND:

1 1 = COMMON 2 = DURUM 3 = EMMER 4 = SPELT 5 = POLISH 6 = POULARD 7 = CLUB

2. TYPE:

1 1 = SPRING 2 = WINTER 3 = OTHER (Specify) _____ 2 1 = SOFT 3 = OTHER (Specify)
2 = HARD

2 1 = WHITE 2 = RED 3 = OTHER (Specify) _____

3. SEASON - NUMBER OF DAYS FROM EMERGENCE TO:

0 9 0 FIRST FLOWERING 1 0 4 LAST FLOWERING

4. MATURITY (50% Flowering):

0 4 NO. OF DAYS EARLIER THAN .RSI. 5 1 = ARTHUR 2 = SCOUT 3 = CHRIS
0 4 NO. OF DAYS LATER THAN .Yecora .Rajo 4 = LEMHI 5 = HUGAINES 6 = LEEDS

5. PLANT HEIGHT (From soil level to top of head):

8 6 CM. HIGH
CM. TALLER THAN
1 5 CM. SHORTER THANRSI. 5 1 = ARTHUR 2 = SCOUT 3 = CHRIS
4 = LEMHI 5 = HUGAINES 6 = LEEDS

6. PLANT COLOR AT BOOTING (See reverse):

3 1 = YELLOW GREEN 2 = GREEN 3 = BLUE GREEN

7. ANTHUR COLOR:

1 1 = YELLOW 2 = PURPLE

8. STEM:

1 Anthocyanin: 1 = ABSENT 2 = PRESENT 1 Waxy bloom: 1 = ABSENT 2 = PRESENT
2 Hairiness of last internode of rachis: 1 = ABSENT 2 = PRESENT 1 Internodes: 1 = HOLLOW 2 = SOLID
NO. OF NODES (Originating from node above ground) CM. INTERNODE LENGTH BETWEEN FLAG LEAF AND LEAF BELOW

9. AURICLES:

2 Anthocyanin: 1 = ABSENT 2 = PRESENT 1 Hairiness: 1 = ABSENT 2 = PRESENT

10. LEAF:

1 Flag leaf at booting stage: 1 = ERECT 2 = RECURVED 2 Flag leaf: 1 = NOT TWISTED 2 = TWISTED
3 = OTHER (Specify): _____ 2 Waxy bloom of flag leaf sheath: 1 = ABSENT 2 = PRESENT
Hairs of first leaf sheath: 1 = ABSENT 2 = PRESENT 2 0 CM. LEAF LENGTH (First leaf below flag leaf):
1 0 MM. LEAF WIDTH (First leaf below flag leaf)

11. HEAD:

☒ 1 Density: 1 = LAX 2 = DENSE

☒ 4 Shape: 1 = TAPERING 2 = STRAP 3 = CLAVATE
4 = OTHER (Specify) oblong
☒ 4 Awnedness: 1 = AWNLESS 2 = APICALLY AWNLETED 3 = AWNLETED 4 = AWNED

☒ 7 Color at maturity: 1 = WHITE 2 = YELLOW 3 = PINK 4 = RED
5 = BROWN 6 = BLACK 7 = OTHER (Specify): white amber
☒ 0 ☒ 3 CM. LENGTH

☒ 1 ☒ 5 MM. WIDTH

12. GLUMES AT MATURITY:

☒ 3 Length: 1 = SHORT (CA. 7 mm.) 2 = MEDIUM (CA. 8 mm.)
3 = LONG (CA. 9 mm.)

☒ 2 Width: 1 = NARROW (CA. 3 mm.) 2 = MEDIUM (CA. 3.5 mm.)
3 = WIDE (CA. 4 mm.)

☒ 5 Shoulder shape: 1 = WANTING 2 = OBLIQUE 3 = ROUNDED
4 = SQUARE 5 = ELEVATED 6 = APICULATE

☒ 3 Beak: 1 = OBTUSE 2 = ACUTE 3 = ACUMINATE

13. COLEOPTILE COLOR:

☒ 1 1 = WHITE 2 = RED 3 = PURPLE

14. SEEDLING ANTHOCYANIN:

☒ 1 1 = ABSENT 2 = PRESENT

15. JUVENILE PLANT GROWTH HABIT:

☒ 3 1 = PROSTRATE 2 = SEMI-ERECT 3 = ERECT

16. SEED:

☒ 3 Shape: 1 = OVATE 2 = OVAL 3 = ELLIPTICAL

☒ 1 Check: 1 = ROUNDED 2 = ANGULAR

☒ 2 Brush: 1 = SHORT 2 = MEDIUM 3 = LONG

☒ 1 Brush: 1 = NOT COLLARED 2 = COLLARED

☐ Phenol reaction (See Instructions): 1 = IVORY 2 = FAWN 3 = LT. BROWN
4 = BROWN 5 = BLACK

☒ 3 Color: 1 = WHITE 2 = AMBER 3 = RED 4 = PURPLE 5 = OTHER (Specify) _____

☒ 0 ☒ 7 MM. LENGTH

☒ 0 ☒ 3 MM. WIDTH

☒ 4 ☒ 7 GM. PER 1000 SEEDS

17. SEED CREASE:

☒ 1 Width: 1 = 60% OR LESS OF KERNEL 'WINOKA'
narrow 2 = 80% OR LESS OF KERNEL 'CHRIS'
3 = NEARLY AS WIDE AS KERNEL 'LEMHU'

☒ 2 Depth: 1 = 20% OR LESS OF KERNEL 'SCOUT'
mid-deep 2 = 35% OR LESS OF KERNEL 'CHRIS'
3 = 50% OR LESS OF KERNEL 'LEMHU'

18. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

☐ STEM RUST (Races) _____

☐ LEAF RUST (Races) _____

☐ STRIPE RUST (Races) _____

☐ LOOSE SMUT

☐ POWDERY MILDEW

☐ BUNT

☐ OTHER (Specify) _____

19. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

☐ SAWFLY

☐ APHID (Bydv.)

☐ GREEN BUG

☐ CEREAL LEAF BEETLE

☐ OTHER (Specify) _____

 HESSIAN FLY
RACES:

☐ GP

☐ A

☐ B

☐ C

☐ D

☐ E

☐ F

☐ G

20. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering	Brooks	Seed size	Express
Leaf size		Seed shape	Klasic
Leaf color		Coleoptile elongation	
Leaf carriage		Seedling pigmentation	

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

- L.W. Briggie and L. P. Reitz, 1963, Classification of Triticum Species and Wheat Varieties Grown in the United States, Technical Bulletin 1278, United States Department of Agriculture.
- W.E. Walls, 1965, A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity, contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts. (See attachment.)

BONUS WHEAT**Exhibit D. Additional description of the variety.**

Bonus wheat is a two gene dwarf, about 34" in height, and is a hard red spring type. It has an erect juvenile growth and at boot stage the flag leaf is erect and twisted. The leaves have a waxy bloom. The auricles are purple and glabrous, while the rachis internodes are pubescent. The spike is short and narrow and possesses short awns. The seed is similar to Yecora Rojo in both size and shape.

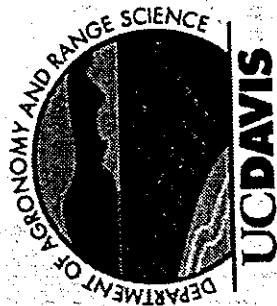
Appl. No. 9900402

Bonus

Wheat

Exhibit D. Addendum

Milling & Baking Quality Data



AGRONOMY PROGRESS REPORT

Agricultural Experiment Station Cooperative Extension

October 1999 • No. 265

1999 REGIONAL BARLEY, COMMON AND DURUM WHEAT, TRITICALE, AND OAT PERFORMANCE TESTS IN CALIFORNIA¹

L. F. Jackson², J. Dubcovsky³, L. W. Gallagher³, R. L. Wennig⁴, J. Heaton⁴, H. Vogt⁴, L. K. Gibbs⁴, D. Kirby⁵, M. Canevari⁶, H. Carlson⁶, T. Kearney⁶, D. Marcum⁶, B. Marsh⁶, M. C. Mathews⁶, D. Munier⁶, C. Mutters⁶, S. Orloff⁶, J. Schmierer⁶, M. Smith⁶, R. Vargas⁶, J. Williams⁶, and S. Wright⁶

University of California Cooperative Extension regional cereal evaluation tests were conducted in the intermountain valleys of northeastern California; the Sacramento, San Joaquin, and Imperial Valleys; and in the south central coastal region

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TABLE 37. 1999 UC DAVIS COMMON WHEAT TEST, QUALITY EVALUATION

ENTRY	WHEAT				FLOUR				FARINOGRAPH				BREAD	
	PRO ASH		HARD TEST		YIELD		FALL		ABSP		ARR MIX		VOL	
	%		WT	KWT	NO.	GLUT	NO.	GLUT	MT	M.T.I.	PK	MT	TEXT	SCOR
<u>CULTIVARS</u>														
20 ANZA	10.8	1.5	71	65.6	41.9	72.0	9.5	378	27.0	66.7	1.8	3.5	4.3	90
112 YECORA ROJO	13.6	1.7	58	65.1	56.8	71.3	12.0	396	33.0	64.7	2.5	7.5	12.5	40
353 YOLO	10.0	1.5	68	65.5	40.8	73.1	8.7	388	26.1	61.8	1.5	3.0	4.0	85
415 KLASIC	13.6	1.6	53	66.3	61.6	72.0	11.9	376	32.6	65.1	7.3	14.0	12.0	30
638 SERRA	11.7	1.5	61	66.2	51.1	73.8	10.1	356	24.0	59.0	1.5	9.8	28.3	20
788 EXPRESS	12.3	1.6	73	65.2	46.6	69.8	10.8	358	30.8	68.8	5.8	15.0	22.3	30
827 CAVALIER	13.2	1.5	61	64.8	56.2	71.0	11.9	416	31.1	63.9	25.0	9.0	22.0	-
901 BROOKS	12.2	1.6	69	65.5	50.4	68.7	11.0	408	28.7	66.1	9.5	22.0	20.5	10
976 RSI 5	11.0	1.5	71	65.4	39.2	72.1	9.6	360	23.4	66.0	1.5	3.0	4.5	95
1020 BONUS	12.4	1.6	65	65.6	51.1	71.0	10.9	318	28.8	64.1	1.8	7.5	17.3	20
1036 KERN	13.1	1.6	67	65.3	50.0	68.3	11.6	321	29.3	67.6	2.5	23.0	30.0	20
1130 STANDER	10.7	1.6	63	66.4	51.2	70.0	9.4	323	29.6	66.4	7.0	19.5	18.5	30
1193 SUNSTAR KING	12.3	1.8	72	65.7	45.9	72.4	11.0	369	28.6	65.1	7.0	17.0	19.0	20
1203 CHIEF	11.7	1.6	69	65.9	56.1	71.8	10.5	361	28.8	66.8	1.3	7.5	27.3	5
1204 TOPIC	12.8	1.7	63	65.2	51.0	70.0	10.6	317	29.8	63.3	1.8	6.3	10.5	40
<u>ADVANCED LINES</u>														
1085 UCD 94-157R	12.7	1.6	50	66.3	47.9	65.8	11.6	392	27.8	60.8	1.5	6.8	38.0	30

TABLE 38. 1999 KINGS COMMON WHEAT TEST, QUALITY EVALUATION

QUALITY EVALUATION																															
ENTRY	WHEAT				FLOUR				FARINOGRAPH				BREAD																		
	PRO		HARD		TEST		1000		YIELD		PRO		FALL		WET		ABS		ARR		MIX		MT		M.T.I.		VOL		TEXT SCORE		
	ASH	%			WT	KWT																									
CULTIVARS																															
20	ANZA	12.7	1.4	79	63.4	30.9	72.0	11.4	496	27.0	63.7	2.3	5.3	7.8	50	890	S	3													
112	YECORA ROJO	14.6	1.4	64	64.7	50.1	72.0	13.0	426	33.7	64.6	6.0	14.3	14.8	40	940	S	4													
353	YOLO	13.0	1.6	77	62.3	29.4	71.0	11.4	426	32.7	61.8	3.0	7.5	13.0	30	930	S	4													
415	KLASIC	14.6	1.5	58	65.3	50.4	72.9	12.5	374	33.2	63.2	9.0	17.0	15.5	30	950	S	5													
638	SERRA	13.2	1.4	67	63.8	37.6	71.4	11.6	368	24.9	59.8	6.5	27.0	31.5	10	1005	S	5													
788	EXPRESS	14.7	1.5	75	63.4	38.4	71.0	13.0	434	37.2	65.6	3.5	7.5	18.5	20	950	S	5													
827	CAVALIER	14.1	1.4	63	64.3	50.0	69.7	12.5	396	33.3	61.4	2.0	10.0	25.0	20	910	S	4													
901	BROOKS	14.2	1.5	67	64.6	45.8	71.1	12.3	399	34.1	62.8	4.0	10.0	16.0	30	840	S	3													
976	RSI 5	12.6	1.4	63	64.0	45.0	67.6	11.2	455	30.0	61.3	3.0	10.0	16.3	20	840	S	3													
1020	BONUS	14.2	1.5	60	63.7	49.6	71.5	12.9	391	35.0	65.6	6.0	14.0	14.5	20	975	S	5													
1036	KERN	13.6	1.5	55	65.6	47.6	73.9	12.0	363	33.4	62.6	4.5	10.0	12.0	40	940	S	4													
1130	STANDER	13.1	1.6	58	63.3	42.9	72.9	11.8	387	29.8	59.6	3.0	10.0	15.0	20	875	S	3													
1193	SUNSTAR KING	14.0	1.6	71	64.9	41.5	73.0	12.6	428	32.1	64.8	6.5	14.0	5.0	20	1010	S	5													
1203	CHIEF	14.0	1.4	71	64.2	45.3	70.7	12.2	413	32.7	64.6	3.0	9.5	29.5	20	980	S	5													
1204	TOPIC	13.8	1.5	63	64.2	47.3	69.4	12.0	353	33.9	63.6	3.0	8.0	15.0	5	935	S	4													
ADVANCED LINES																															

9900402

AGRONOMY PROGRESS REPORT

Agricultural Experiment Station Cooperative Extension

UUC DAVIS

2000 REGIONAL BARLEY AND COMMON AND DURUM WHEAT PERFORMANCE TESTS IN CALIFORNIA¹

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TABLE 37. 2000 KINGS COMMON WHEAT TEST, QUALITY EVALUATION

Entry Name	Wheat				Flour				Farnograph				Bread					
	Pro	Ash	Hard	Test	1000	Yield	Pro	Ash	Fall	Wet	Absp	Arr	Mix	MT	M.T.I.	Vol	Text	Score
					Wt	Kwt			No	Glut			Pk					
CULTIVARS																		
20 ANZA	11.4	1.5	75	64.6	37.6	69.5	9.9	0.43	302	29.7	61.4	1.50	5.00	5.50	95	775	u	1
112 YECORA ROJO	13.8	1.51	70	65.5	43.3	71.2	12.3	0.39	324	31.5	66.0	7.00	12.50	12.75	25	1030	s	5
353 YOLO	11.4	1.59	84	61.8	26.1	70.4	10.0	0.43	354	28.5	57.4	1.25	3.25	8.50	50	870	s	3
415 KLASIC	11.8	1.49	71	66.1	42.4	72.6	10.5	0.38	322	25.9	63.1	7.50	14.50	13.50	25	975	s	5
638 SERRA	11.9	1.58	72	63.6	37.8	73.2	10.1	0.44	310	21.5	56.3	1.25	8.75	19.25	15	885	s	3
788 EXPRESS	12.6	1.49	81	63.7	38.9	69.7	11.1	0.42	378	33.4	70.0	4.50	9.00	8.25	60	985	s	5
827 CAVALIER	12.4	1.63	74	63.0	41.1	73.2	11.4	0.38	337	29.1	63.2	5.00	12.75	13.50	45	980	s	5
901 BROOKS	12.9	1.61	72	64.3	44.7	73.6	11.7	0.37	363	30.1	68.9	6.00	11.00	12.50	20	925	s	4
970 CUYAMA	10.9	1.63	87	62.5	34.8	70.7	9.2	0.43	344	23.0	68.4	5.50	12.00	12.50	30	900	s	4
976 RSI 5	10.5	1.58	69	63.3	42.5	72.2	8.5	0.40	350	22.7	64.7	1.75	6.75	8.00	60	845	s-q	2
1020 BONUS	13.4	1.58	71	62.9	44.0	72.3	11.7	0.39	334	23.4	69.3	5.00	10.25	12.00	30	940	s	4
1036 KERN	12.9	1.41	65	65.2	41.7	75.2	11.2	0.38	311	28.6	66.2	4.50	8.75	9.75	40	970	s	5
1130 STANDER	12.2	1.53	67	63.8	42.5	75.0	11.0	0.41	334	28.5	66.0	4.00	9.00	8.50	55	920	s	4

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California Wheat Variety Survey--2001

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VARIETIES		SACRAMENTO VALLEY	SAN JOAQUIN VALLEY	COAST	SOUTHERN CALIFORNIA	SIERRA AND NO. CALIF.	VARIETY TOTALS	2000 TOTALS
WHITE VARIETIES								
Alpowa	Acres					300	300	990
	Percent *					0.1%	0.1%	0.2%
Dirkwin	Acres	400	14,000	2,400		2,000	18,800	15,400
	Percent	0.1%	2.8%	0.5%		0.4%	3.8%	3.1%
Klasico	Acres	350	15,000				15,350	12,642
	Percent	0.1%	3.0%				3.1%	2.5%
Stephens	Acres					1,200	1,200	1,290
	Percent					0.2%	0.2%	0.3%
Twin	Acres					3,000	3,000	1,243
	Percent					0.6%	0.6%	0.2%
Yamhill	Acres					6,700	6,700	5,000
	Percent					1.3%	1.3%	1.0%
Other/Unknown White	Acres	100	2,500	600		300	3,500	734
	Percent	0.0%	0.5%	0.1%		0.1%	0.7%	0.1%
RED VARIETIES								
Anza	Acres	25,300	3,300	4,500			33,100	26,599
	Percent	5.1%	0.7%	0.9%			6.6%	5.3%
Bonus	Acres	35,000	87,000				122,000	35,011
	Percent	7.0%	17.4%				24.4%	6.9%
Brooks	Acres		60,000				60,000	75,854
	Percent		12.0%				12.0%	15.1%
Cuyama	Acres	500	1,000				1,500	3,000
	Percent	0.1%	0.2%				0.3%	0.6%
Eldon	Acres		3,500				3,500	N/A
	Percent		0.7%				0.7%	
Express	Acres	57,000	18,000			500	75,500	77,323
	Percent	11.4%	3.6%			0.1%	15.1%	15.3%
RSI-5	Acres	2,000	500				2,500	24,373
	Percent	0.4%	0.1%				0.5%	16.7%
Serra	Acres	8,800					8,800	10,936
	Percent	1.8%					1.8%	2.2%
Stander	Acres	13,000	1,600				14,600	6,606
	Percent	2.6%	0.3%				2.9%	1.3%
Yecora Roto	Acres	350	82,000	8,300	23,000	300	113,950	120,759
	Percent	0.1%	16.4%	1.7%	4.6%	0.1%	22.8%	24.0%
Yolo	Acres	8,500					8,500	9,458
	Percent	1.7%					1.7%	1.9%
Other/Unknown Red	Acres	1,800	3,400		1,500	500	7,200	16,605
	Percent	0.4%	0.7%		0.3%	0.1%	1.4%	3.3%
TOTAL (ALL WHEAT OTHER THAN DURUM)		153,100	291,800	15,800	24,500	14,800	500,000	503,823
		30.6%	58.4%	3.2%	4.9%	3.0%	100.0%	100.0%

* Percent of "All wheat other than Durum" (500,000 acres)

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) RESOURCE SEEDS, INC.		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER RSI 31206	3. VARIETY NAME BONUS
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) P.O. BOX 1319 Gilroy, CA 95021		5. TELEPHONE (include area code) 408/847-1051	6. FAX (include area code) 408/847-0604
		7. PVPO NUMBER 9900402	

8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or U.S. based company?
If no, give name of country ☒ YES ☐ NO

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?
☐ YES ☐ NO If no, give name of country

b. If original rights to variety were owned by a company(ies), is(are) the original owner(s) a U.S. based company?
☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (if needed, use reverse for extra space):

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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